

## Application Information For NanoBoost

NanoBoost is designed for applications where a thin coating is required and the highest possible insulation, combined with superior corrosion protection is necessary. This coating is designed for exterior application on automotive parts; it is NOT MEANT TO BE ADDED TO GASOLINE.

Preferred application method is by brush, or a paint sprayer at low pressure can be used. Care should be taken during mixing prior to application not to cause particle shear of the nanocomposite. Preferred method of mixing is using a mixing paddle at slow speed for approximately 3-4 minutes.

The minimum recommended application consists of 3 separate coats. One quart yields approximately 3 coats over 37-44 square feet of surface area (0.9 litres yields approx. 3 coats over 3.4-4.1 square meters of surface area), depending on surface texture. It is recommended that each coat be allowed to dry for a minimum of one hour before applying an additional coat. Full cure time is approximately 30-60 days, depending on climate and humidity. If a surface is brought above 216F (100C) too soon after application and before the product is allowed to cure, blistering may occur.

**IMPORTANT:** If you are experiencing cracking, peeling, or flaking this indicates your coat application is too thick. Each coat should be approx 3-5 wet mils in thickness. Most paint and hardware stores have inexpensive wet mil thickness gauges available.

For application to surfaces above 125° F (52° C) it is recommended that the first coats be applied as thinly as possible to prevent blistering. Each subsequent coat may be applied more thickly as the first coats will reduce surface temperature.

The temperature extremes for the substrate to which the material can be applied are 40° F to 212° F (4° C to 100° C).

**The application should not go below freezing until cure time of at least 30 days is complete, or you may experience cracking and peeling.**

**Airless Spray Equipment Recommendations:** Minimum pump-rated capacity of 1GPM, utilizing a 1/2 inch ID hose, Graco Silver Gun (or equal) with a 0.025 tip, 5-19 RAC Tip.

The temperature extremes for the substrate on which the material can maintain its integrity after fully cured are: a low of minus 40° F (minus 40° C) to a high of 400° F (204° C).

Coverage Rate: One quart (0.9 litres) will cover approximately 37-44 square feet (3.4-4.1 square meters) (depending on surface texture) with the minimum recommended 3 individual coats. Average surface temperature change when applied correctly is approximately 60° Fahrenheit for each 3 coats. We say "average" because the difference in the high/low temperature extremes is a factor in the surface temperature difference you will see.

Manufacturer's Limited Warranty: is for 5 years when applied as instructed and used as a Direct to Metal Coating. See full copy of Warranty for details.

Nanoboost customers have applied the product to the following parts/areas to increase fuel efficiency and decrease heat transfer:

Fuel tank & Lines	Intake manifold	Air Vents
Engine Bay Compartment	Engine Air Intake	Roof Interior

Customers have found that blocking the heat transfer increased the performance of the gasoline, thus increasing horsepower and fuel efficiency. Other customer applications have decreased the amount of heat transferring into the automobile interior thus decreasing the load on the air conditioning unit and fuel consumed.